

## Message Text

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ACTION NEA-10

INFO OCT-01 ISO-00 OES-07 ACDA-12 SSO-00 NSCE-00

INRE-00 CIAE-00 INR-10 IO-14 L-03 NSAE-00 EB-08

NRC-07 SOE-02 DODE-00 DOE-11 SS-15 SP-02 CEQ-01

NEAE-00 /103 W

-----025715 171359Z /43

O R 171251Z MAR 78

FM AMCONSUL BOMBAY

TO SECSTATE WASHDC NIACT IMMEDIATE 8110

INFO AMEMBASSY NEW DELHI

UNCLAS BOMBAY 0689

E.O. 11652 N/A

TABS: MNUC, IN

SUBJ: INDIAN NUCLEAR COOPERATION WITH OTHER COUNTRIES

REF: STATE 59977

1. SETHNA PCOVIDED TODAY ON AN UNCLASSIFIED BASIS INFORMATION  
RESPONSIVE TO REFTEL PARA 2A, B AND C, AND 3B AND C. THIS  
INFORMATION MAY BE RELEASED TO THE PUBLIC AND ATTRIBUTED TO THE  
IAEC. THERE FOLLOWS A RESPONSE KEYED TO REFTEL:

A. QUOTE

BILATERAL COLLABORATION AGREEMENTS BETWEEN INDIA AND OTHER COUNTRIES  
IN THE FIELD OF PEACEFUL USES OF ATOMIC ENERGY.

SR.	NAME OF THE	PERIOD OF VALIDITY	REMARKS
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NO.	COUNTRY	FROM	TO
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1.	AFGHANISTAN	13.12.65	PERIOD OF EXPIRY HU-- NOT SPECIFIED.
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2.	ARGENTINA	28/5/74	-- THE AGREEMENT IS VALID FOR A PERIOD OF 5YEARS FROM THE DATE OF
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EXCHANGE OF  
INSTRUMENT OF  
RATIFICATION  
WHICH HAS YET  
TO TAKE PACE.

3.	BELGIUM	30.1.65	PERIOD OF EXPIRY -- NOT SPECIFIED.
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4. BANGLADESH 27.8.73 26.8.78 --
5. CANADA 16.12.63 PERIOD OF EXPIRY --  
(CONSTRUCTION OF NOT SPECIFIED.  
RAPS I AND II)
6. CZECHOSLOVAKIA 1.1.67 CONTINUES TO REMAIN  
IN FORCE TILL SPECIFICALLY  
TERMINATED.
7. EGYPT 10.7.62 9.7.80 11
8. FRANCE 28.8.65 CONTINUES IN FORCE --  
TILL REVOKED.
9. FEDERAL REPUBLIC 19.5.72 18.5.77 AGREEMENT GEST  
OF GERMANY. AUTOMATICALLY  
EXTENDED FOR A  
PERIOD OF TWO  
YEARS UNLESS  
IT IS REVOKED.
10. G.D.R. 19.6.74 31.12.78 --
11. HUNGARY 9.10.61 8.10.81 --
12. IRAN 25.2.77 AGREEMENT WILL --  
BE VALID FOR 5 YEARS FROM  
THE DATE OF EXCHANGE OF  
NOTES CONFIRMING  
COMPLETION OF CONSTITUTIONAL  
REQUIREMENTS.
13. IRAQ 28.3.74 PERIOD OF EXPIRY --  
NOT SPECIFIED.

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1. ITALY 2.4.77 1.4.72 --
15. POLAND 99.77 8.9.82
16. ROMANIA 8.3.72 REMAINS IN FORCE --  
TILL REVOKED
17. USA 8.8.63 7.8.93 --  
(TARAPUR AGREEMENT)
18. USSR 6.10.61 PERIOD OF EXPIRY --  
NOT SPECIFIED.

UNQUOTE

B. QUOTE THESE AGREEMENTS PROVIDE FOR EXCHANGE OF DATA  
ON RESEARCH AND DEVELOPMENT (EXCEPT INFORMATION OF A CLASSIFIED  
NATURE OR ANY INFORMATION WHICH EITHER PARTY IS NOT FREE TO  
EXCHANGE BECAUSE IT HAS BEEN OBTAINED FROM OR DEVELOPED IN  
COLLABORATION WITH A THIRD COUNTRY) AND ALSO FOR EXCHANGE OF  
VISITS, OFFERS OF FELLOWSHIPS FOR TRAINING AND COLLABORATIVE  
PROGRAMMES IN VARIOUS FIELDS TO BE SEPARATELY IDENTIFIED BY  
MUTUAL AGREEMENT. THE COLLABORATION UNDER THESE AGREEMENTS  
HAS BEEN LARGELY LIMITED TO THE EXCHANGE OF SCIENTISTS AND  
THE PROVISION OF TRAINING FACILITIES. UNQUOTE

C. QUOTE THIRTEEN FOREIGN SCIENTISTS VISITED INDIA LAST

YEAR UNDER BILATERAL PROGRAMMES FOR TRAINING IN FIELDS SUCH AS HEALTH PHYSICS, LOW TEMPERATURE PHYSICS, NEUTRON DEFRACTION, RADIATION SHIELDING, BIO-CHEMISTRY AND FOOD TECHNOLOGY, IRRADIATION TECHNIQUES ETC. FIVE FOREIGN SCIENTISTS ALSO AVAILABLED OF TRAINING IN INDIA UNDER IAEA FELLOWSHIPS IN 1977 IN THE FIELDS OF USE OF ISOTOPES IN AGRICULTURE, ANALYTICAL CHEMISTRY, NUCLEAR ELECTRONICS INSTRUMENTATION AND RADIOACTIVE WASTE TREATMENT. UNQUOTE

D. THE IAEA FELLOWSHIPS REFERRED TO IN PREVIOUS PARAGRAPH WERE DISTRIBUTED AS FOLLOWS: TWO FROM SRI LANKA, ONE WHO STUDIED RADIO ISOTOPES IN AGRICULTURE AND THE SECOND WHO STUDIED ISOTOPES AND PLANT PHYSIOLOGY; TWO FROM KOREA, ONE OF WHOM WORKED IN ANALYTICAL CHEMISTRY AND THE OTHER UNCLASSIFIED

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IN LOW LEVEL WASTE TREATMENT; ONE FROM GHANA IN NUCLEAR ELECTRONICS INSTRUMENTATION. THERE ALSO WERE FOUR SHORT TERM VISITS BY FOREIGN SCIENTISTS UNDER THE IAEA PROGRAM: A BULGARIAN WHO WORKED IN GAMMA RAYS AND THREE SCIENTISTS FROM BANGLADESH, NIGERIA AND THAILAND RESPECTIVELY WHO WORKED IN FOOD IRRADIATION.

E. ALL OF ABOVE TRAINING PROGRAMS ARE CARRIED OUT AT THE BHABHA ATOMIC RESEARCH CENTRE IN TROMBAY, BUT SOME FIELD TRIPS TO OTHER IAEC INSTALLATIONS MAY BE INVOLVED IN SOME OF THEM.

2. ADDITIONAL INFORMATION FOLLOWS SEPTTEL.  
COURTNEY

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## Message Attributes

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**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
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**Copy:** SINGLE  
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**Decaption Note:**  
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**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
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**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
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**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Expiration:**  
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**Review Release Event:** n/a  
**Review Transfer Date:**  
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**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
US Department of State  
EO Systematic Review  
20 Mar 2014  
**Markings:** Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014